

ENT COOPERATION TREAT

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)
Rechi PCT/PTO 0 6 JAN 2005 10/521339

Applicant's or agent's file reference P/63634/U63	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (daylmon					
PCT/GB 03/02984	10.07.2003	10.07.2002				
International Patent Classification (IPC) or	both national classification and IPC					
H04Q11/00		·				
Applicant MARCONI COMMUNICATION GN	MRH et al					
MARCONI COMMUNICATION GI	MBH et al.					
This international preliminary ex Authority and is transmitted to the	amination report has been prepare applicant according to Article	ared by this International Preliminary Examining 36.				
2. This REPORT consists of a total	of 5 sheets, including this cover	er sheet.				
been emended and are th	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a total	ıl of sheets.					
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3. This report contains indications	relating to the following items:					
│ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │						
II Priority						
	of opinion with regard to novelty,	, inventive step and industrial applicability				
IV □ Lack of unity of inve						
V M Reasoned statemer	V Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability;					
citations and explar	nations supporting such statemen	nt				
VI Certain documents						
	ne international application					
VIII Certain observation	s on the international application	1				
Date of submission of the demand	Date	of completion of this report				
06.02.2004	03.0	09.2004				
Name and mailing address of the internal preliminary examining authority:	tional Auth	orized Officer				
European Patent Office - F	rs Bas \ Fie0	ckinger, C				
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International application No.

PCT/GB 03/02984

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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	Description, Pages				
	1-18	3	as originally filed			
	Clai	ms, Numbers				
	1-12	2	as originally filed			
	Dra	wings, Sheets				
	1-5		as originally filed			
2.	With	n regard to the langu guage in which the int	age, all the elements marked above were available or furnished to this Authority in the ernational application was filed, unless otherwise indicated under this item.			
	The	se elements were ava	ailable or furnished to this Authority in the following language: , which is:			
		the language of a tra	inslation furnished for the purposes of the international search (under Rule 23.1(b)).			
		the language of publ	ication of the international application (under Rule 48.3(b)).			
		the language of a tra Rule 55.2 and/or 55.3	nslation furnished for the purposes of international preliminary examination (under 3).			
3.	Witl inte	n regard to any nucle mational preliminary	otide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:			
		contained in the inte	mational application in written form.			
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority in written form.				
		furnished subsequently to this Authority in computer readable form.				
		in the international application as filed has been furnished.				
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.			
4.	The	amendments have r	esulted in the cancellation of:			
		the description,	pages:			
		the claims,	Nos.:			
		the drawings,	sheets:			

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No.

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5. 🗆	This report has been established as if (some of) the amendments had not been made, since they have
	been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

2-6,8,11

Claims No:

1,7,9,10,12

Inventive step (IS)

Yes: Claims

No: Claims 1-12

Industrial applicability (IA)

Yes: Claims No: Claims 1-12

2. Citations and explanations

see separate sheet

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Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following document:

D1: WO 01 45451 A (CORNING INC) 21 June 2001 (2001-06-21)

D2: NAGATSU N ET AL: 'ARCHITECTURAL ANALYSIS OF MULTIPLE FIBER RING NETWORKS EMPLOYING OPTICAL PATHS' JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, vol. 15, no. 10, 1 October 1997 (1997-10-01), pages 1794-1804, XP000703594 ISSN: 0733-8724

D3: GB-A-2 350 001 (FUJITSU LTD) 15 November 2000 (2000-11-15)

- 1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of **independent claims 1,7,10** is not new in the sense of Article 33(2) PCT.
- 1.1 The document D1 discloses (the references in parentheses applying to this document):

A method for transmitting information from a start node to a target node (Fig. 1) in a wavelength division multiplex optical communications network (Fig.25, wavelength multiplexers) having a plurality of nodes, each of which includes a wavelength selective optical cross-connect having a plurality of switching fabrics (Fig.25), each switching fabric being provided for switching wavelength channels of a specific wavelength (72,82), the method comprising:

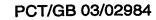
applying at least two wavelength channels having different wavelengths (p.11 I.13-16) but which are modulated with the same information ("redundant protection traffic", p.12 I.15) to an input of switching fabrics of the start cross-connect provided for these wavelengths;

transmitting the two wavelength channels to the target cross-connect (working traffic on wavelength λ_i , redundant protection traffic on wavelength λ_k);

dropping the wavelength channels at outputs of different switching fabrics of the cross-connect provided for different wavelengths (Fig.25).

The subject-matter of **independent claim 1** is therefore not new in the sense of Article 33(2) PCT.

1.2 The document D1 discloses (the references in parentheses applying to this



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document):

A node (Fig.25) for a wavelength division multiplex optical communications network comprising:

a wavelength selective optical cross-connect having a plurality of inputs for optical wavelength multiplex lines and a plurality of switching fabrics, wherein each switching fabric is provided for switching wavelength channels of specific wavelength (Fig.25) and

a plurality of add ports for adding data traffic (Fig.25)

charaterized by

a signal divider ("electrical bridge", p.5 l.26-30, Fig.3 item 30) for distributing an information signal to be added to at least two add ports of switching fabrics provided for different wavelengths.

The subject-matter of independent claim 7 is therefore not new.

The selector of independent claim 10 being disclosed in D1 ("protection switch", p.5 I.26 - p.6 l.1, Fig.3 item 31), the subject-matter of independent claim 10 is also not new.

Dependent claims 2-6,8-9,11-12 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty or inventive step.

The subject-matter of claims 9 and 12 is not new (D1: Fig.3, p.5 l.26-31).

The subject-matter of claims 2-6, 8, 11 is new in view of the documents cited in the search report. The additional features of claims 2-6 (see for example D3 p.11 l.11-33 and D2), 8, 11 come nevertheless within the scope of the customary practice followed by persons skilled in the art, especially as the advantages thus achieved can readily be foreseen. Consequently, the subject-matter of claims 2-6, 8, 11 also lacks an inventive step.